

Application No.: 09/171607

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s)

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☒ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE

COPY FOR [☒ File [] Applicant

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/171,607DATE: 02/11/2000
TIME: 17:20:01

INPUT SET: S34699.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT:

(A) NAME: Wolf-Georg Forssmann
(B) STREET: Feodor-Lynen-Str. 31
(C) CITY: Hannover
(E) COUNTRY: Germany
(F) POSTAL CODE: D-30625

(ii) TITLE OF INVENTION: A Biologically Active Protein -
Collagen Fragment HF-COLL-18/514cf - for Inhibiting
Tumor Growth and Capillary Proliferations

(iii) NUMBER OF SEQUENCES: 1

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:
(B) FILING DATE:

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 170 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single-stranded
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: no

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

Val Ala Leu Asn Ser Pro Leu Ser Gly Gly Met Arg Gly Ile Arg Gly

RAW SEQUENCE LISTING PATENT APPLICATION US/09/171,607

DATE: 02/11/2000
TIME: 17:20:01

INPUT SET: S34699.raw

47	1	5	10	15
48				
49				
50	Ala	Asp	Phe	Gln
51			Cys	Phe
52			Gln	Gln
53			Ala	Arg
54			Ala	Val
55			Gly	Leu
56			Ala	Gly
57				
58	Thr	Phe	Arg	Ala
59			Phe	Leu
60			Ser	Ser
61			Arg	Leu
62			Gln	Asp
63			Leu	Tyr
64			Ser	Ile
65				
66	Val	Arg	Arg	Ala
67			Asp	Arg
68			Ala	Ala
69			Val	Pro
70			Ile	Val
71			Asn	Leu
72			Lys	Asp
73				
74	Glu	Leu	Leu	Phe
75			Pro	Ser
76			Trp	Glu
77			Ala	Leu
78			Phe	Ser
79			Gly	Ser
80			Glu	Gly
81				
82	Pro	Leu	Lys	Pro
83			Gly	Ala
84			Arg	Ile
85			Phe	Ser
86				
87				
88				
89				
90				
91				

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/171,607DATE: 02/11/2000
TIME: 17:20:02

INPUT SET: S34699.raw

***** PREVIOUSLY ERRORED SEQUENCES - EDITED *****

29 (2) INFORMATION FOR SEQ ID NO: 1:
30
31 (i) SEQUENCE CHARACTERISTICS:
32 (A) LENGTH: 170 amino acids
33 (B) TYPE: amino acid
34 (C) STRANDEDNESS: single-stranded
35 (D) TOPOLOGY: unknown
36
37 (ii) MOLECULE TYPE: peptide
38
39 (iii) HYPOTHETICAL: no
40
41
42
43 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
44
45
46 Val Ala Leu Asn Ser Pro Leu Ser Gly Gly Met Arg Gly Ile Arg Gly
47 1 5 10 15
48
49
50 Ala Asp Phe Gln Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ala Gly
51 20 25 30
52
53
54 Thr Phe Arg Ala Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile
55 35 40 45
56
57
58 Val Arg Arg Ala Asp Arg Ala Ala Val Pro Ile Val Asn Leu Lys Asp
59 50 55 60
60
61
62 Glu Leu Leu Phe Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly
63 65 70 75 80
64
65 Pro Leu Lys Pro Gly Ala Arg Ile Phe Ser Phe Asp Gly Lys Asp Val
66 85 90 95
67
68
69 Leu Arg His Pro Thr Trp Pro Gln Lys Ser Val Trp His Gly Ser Asp
70 100 105 110
71
72
73
74 Pro Asn Gly Arg Arg Leu Thr Glu Ser Tyr Cys Glu Thr Trp Arg Thr
75 115 120 125

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/171,607DATE: 02/11/2000
TIME: 17:20:02

INPUT SET: S34699.raw

76
77
78 Glu Ala Pro Ser Ala Thr Gly Gln Ala Ser Ser Leu Leu Gly Gly Arg
79 130 135 140
80
81
82 Leu Leu Gly Gln Ser Ala Ala Ser Cys His His Ala Tyr Ile Val Leu
83 145 150 155 160
84
85 Cys Ile Glu Asn Ser Phe Met Thr Ala Ser
86 165 170
87
88
89
90
91

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/171,607DATE: 02/11/2000
TIME: 17:20:02**INPUT SET: S34699.raw**

Line	Error	Original Text
5	Mandatory Value Not Present	(i) APPLICANT:
6	Unknown or Misplaced Identifier	(A) NAME: Wolf-Georg Forssmann
7	Unknown or Misplaced Identifier	(B) STREET: Feodor-Lynen-Str. 31
8	Unknown or Misplaced Identifier	(C) CITY: Hannover
9	Unknown or Misplaced Identifier	(E) COUNTRY: Germany
10	Unknown or Misplaced Identifier	(F) POSTAL CODE: D-30625

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/171,607DATE: 02/11/2000
TIME: 00:26:54

INPUT SET: S34699.raw

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

1 SEQUENCE LISTING
2
3 (1) General Information:
4
--> 5 (i) APPLICANT:
--> 6 (A) NAME: Wolf-Georg Forssmann
--> 7 (B) STREET: Feodor-Lynen-Str. 31
--> 8 (C) CITY: Hannover
--> 9 (E) COUNTRY: Germany
--> 10 (F) POSTAL CODE: D-30625
11
12 (ii) TITLE OF INVENTION: A Biologically Active Protein -
13 Collagen Fragment HF-COLL-18/514cf - for Inhibiting
14 Tumor Growth and Capillary Proliferations
15
16 (iii) NUMBER OF SEQUENCES: 1
17
18 (iv) COMPUTER READABLE FORM:
19 (A) MEDIUM TYPE: Floppy disk
20 (B) COMPUTER: IBM PC compatible
21 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
22 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
23 (EPO)
24 (vi) work APP DATA:

Does Not Comply
Corrected Diskette Needed

add leading

ERRORED SEQUENCES FOLLOW:

25 (2) INFORMATION FOR SEQ ID NO: 1:
26
27 (i) SEQUENCE CHARACTERISTICS:
28 (A) LENGTH: 170 amino acids
29 (B) TYPE: amino acid
30 (C) STRANDEDNESS: single-stranded
31 (D) TOPOLOGY: unknown
32
33 (ii) MOLECULE TYPE: peptide
34
35 (iii) HYPOTHETICAL: no
36
37
38
39 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/171,607

DATE: 02/11/2000
TIME: 00:26:55

INPUT SET: S34699.raw

40
41
42 Val Ala Leu Asn Ser Pro Leu Ser Gly Gly Met Arg Gly Ile Arg
43 Gly 1 5 10 15 *Armet*
44
45
46
47 Ala Asp Phe Gln Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ala
48 Gly 20 25 30
49
50
51
52 Thr Phe Arg Ala Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser
53 Ile 35 40 45
54
55
56
57 Val Arg Arg Ala Asp Arg Ala Ala Val Pro Ile Val Asn Leu Lys
58 Asp 50 55 60
59
60
61
62 Glu Leu Leu Phe Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu
63 Gly 65 70 75
64
65 80
66
67 Pro Leu Lys Pro Gly Ala Arg Ile Phe Ser Phe Asp Gly Lys Asp
68 Val 85 90 95
69
70
71
72 Leu Arg His Pro Thr Trp Pro Gln Lys Ser Val Trp His Gly Ser
73 Asp 100 105 110
74
75
76
77
78 Pro Asn Gly Arg Arg Leu Thr Glu Ser Tyr Cys Glu Thr Trp Arg
79 Thr 115 120 125
80
81
82
83 Glu Ala Pro Ser Ala Thr Gly Gln Ala Ser Ser Leu Leu Gly Gly
84 Arg 130 135 140
85
86
87
88 Leu Leu Gly Gln Ser Ala Ala Ser Cys His His Ala Tyr Ile Val
89 Leu 145 150 155
90
91 160
92


```

93      Cys Ile Glu Asn Ser Phe Met Thr Ala Ser
94                                     165
95
96
--> 97      - 13 -
98
99
100
--> 101     - 15 -
102
103
104
--> 105     - 16 -
106
107
108
109
110
111

```

PAGE: 1

SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION US/09/171,607

DATE: 02/11/2000
TIME: 00:26:55

INPUT SET: S34699.raw

ADDRESSEE
STREET
CITY
STATE
COUNTRY
ZIP
CORRESPONDENCE ADDRESS
APPLICATION NUMBER
FILING DATE
CLASSIFICATION
CURRENT APPLICATION DATA
APPLICATION NUMBER
FILING DATE
PRIOR APPLICATION DATA